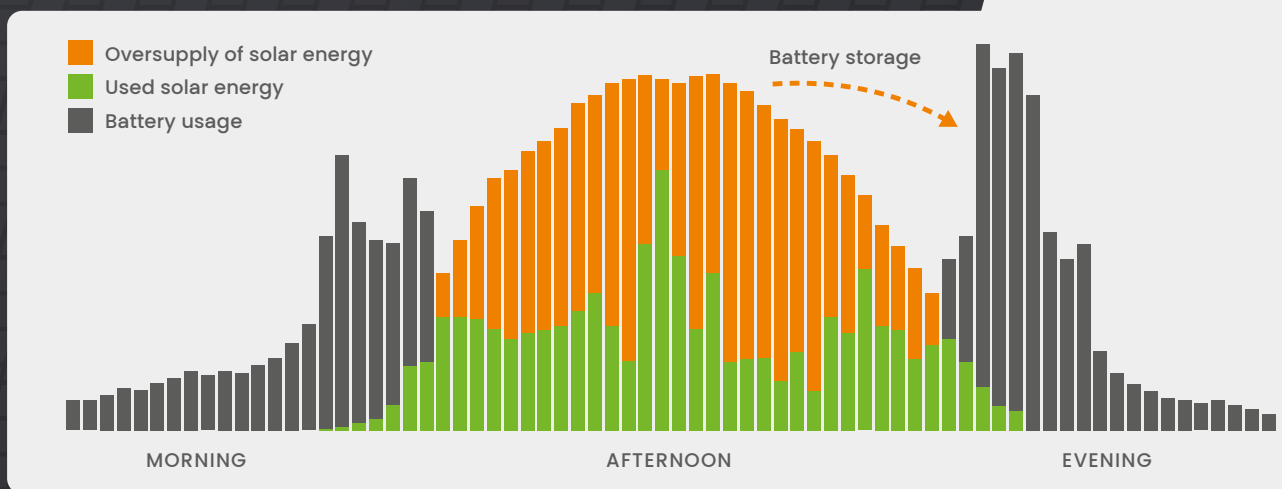


Solar battery solutions

Check out our range

Natec's suppliers also offer professional battery solutions. We've made a selection for you so that you can see at a glance what our brands have to offer. There is a suitable storage inverter and battery, a new system or existing system.



The overview shows not only the different product ranges of your favourite brands, but also a number of specifications to help you find the right solution. Contact your account manager for the product availability.



Solar battery solution

Brand overview

Natec opts for a wide range of battery solutions from the most reliable partners with an excellent price/quality ratio. Can't make up your mind? We'd be happy to advise you on which solution is best suited to your system.

		Series	AC or DC connections	Back-up option	Warranty	Smart meter
	Retrofit 1 phase	IQ Battery (all-in-one)	AC		10 years	Enphase Envoy
GOODWE	Hybrid 1 phase	EM-serie (3.0-5.0) ES-serie (3.6-5.0) EH-serie (3.6-6.0)	DC	✓	5 years	included
	Hybrid 3 phase	ET-serie (5.0-10.0) ET plus+-serie (5.0-10.0)	DC	✓	5 years	included
	Retrofit 1 phase	BH-serie (1.0-6.0) SPB-serie (3.68-5.0)	AC	✓	5 years	included
	Retrofit 3 phase	BT-serie (5.0-10.0)	AC	✓	5 years	included
	Hybrid 3 phase	Sunny Tripower (5.0-10.0)	DC	✓	5 + 5 years	Home Manager
	Retrofit 1 phase	Sunny Boy Storage (2.5-6.0)	AC	✓	5 + 5 years	Home Manager
	Retrofit 3 phase	Sunny Island (4.4-8.0)	AC	✓	5 + 5 years	Home Manager
solar edge	Hybrid 1 phase	StorEdge (2.2-6.0)	DC		12 years	order separately
	Hybrid 3 phase	StorEdge (5.0-10.0)	DC		10 years	order separately
		Home Hub (3.0 - 11.4)		✓	12 years	
	Retrofit 1 phase	SESTI (S4) StorEdge AC-gekoppeld (3.68-5.0)	AC		10 years	order separately

Range

Batteries

Natec chooses to work with the strongest A-brands in the solar industry. When it comes to batteries, our range includes products from the large and reliable suppliers BYD, Enphase, GoodWe, LG Energy Solutions, Pylontech en SolarEdge. These are suppliers who excel in quality and growth. Global players who are also at the forefront of innovation and development. The batteries are multi-purpose.

Hybrid inverter combinations

		Single phase									Three phase										
		Type	BYD LV	BYD HV	GW LV	GW HV	LG LV	LG HV	PT LV	PT HV	SE HV	Type	BYD LV	BYD HV	GW HV	LG LV	LG HV	PT LV	PT HV	SE LV	
GOODWE		GW3648D-ES	✓		✓		✓		✓			GW5K-ET		✓	✓		✓		✓		
		GW5048D-ES	✓		✓		✓		✓			GW6.5K-ET		✓	✓		✓		✓		
		GW3648-EM	✓		✓		✓		✓			GW8K-ET		✓	✓		✓		✓		
		GW5048-EM	✓		✓		✓		✓			GW10K-ET		✓	✓		✓		✓		
		GW3600-EH		✓		✓				✓											
		GW5000-EH		✓		✓				✓											
		Single phase									Three phase										
		Type	BYD LV	BYD HV	GW LV	GW HV	LG LV	LG HV	PT LV	PT HV	SE HV	Type	BYD LV	BYD HV	GW HV	LG LV	LG HV*	PT LV	PT HV*	SE LV	
SMA		STP5.0-3SE-40		✓							✓	STP5.0-3SE-40		✓			✓				
		STP6.0-3SE-40		✓							✓	STP6.0-3SE-40		✓			✓				
		STP8.0-3SE-40		✓							✓	STP8.0-3SE-40		✓			✓				
		STP10.0-3SE-40		✓							✓	STP10.0-3SE-40		✓			✓				
		Single phase									Three phase										
		Type	BYD LV	BYD HV	GW LV	GW HV	LG LV	LG HV	PT LV	PT HV	SE HV	Type	BYD LV	BYD HV	GW HV	LG LV	LG HV	PT LV	PT HV	SE LV	
solar edge		StorEdge HD-Wave 2200H						✓			✓	SE-SE5K RWS-S	✓			✓				✓	
		StorEdge HD-Wave 3000H						✓			✓	SE-SE7K RWS-S	✓			✓				✓	
		StorEdge HD-Wave 3500H						✓			✓	SE-SE8K RWS-S	✓			✓				✓	
		StorEdge HD-Wave 3680H						✓			✓	SE-SE10K RWS-S	✓			✓				✓	
		StorEdge HD-Wave 4000H						✓			✓	3PH Home Hub								✓	
		StorEdge HD-Wave 5000H						✓			✓										

*Soon linkable

Range

Batteries

Retrofit inverter combinations

		Single phase									Three phase									
		Type	BYD LV	BYD HV	GW LV	GW HV	LG LV	LG HV	PT LV	PT HV	SE HV	Type	BYD LV	BYD HV	GW HV	LG LV	LG HV	PT LV	PT HV	SE LV
GOODWE		GW3600-BH		✓		✓					✓	GW5K-BT		✓	✓					✓
		GW5000-BH		✓		✓					✓	GW6K-BT		✓	✓					✓
		GW-SBP	✓		✓		✓			✓		GW8K-BT		✓	✓					✓
												GW10K-BT		✓	✓					✓

		Single phase									Three phase									
		Type	BYD LV	BYD HV	GW LV	GW HV	LG LV	LG HV	PT LV	PT HV	SE HV	Type	BYD LV	BYD HV	GW HV	LG LV	LG HV	PT LV	PT HV	SE LV
SMA		Sunny Boy Storage 3.7		✓				✓				Sunny island 4.4M	✓			✓		✓		
		Sunny Boy Storage 5.0		✓				✓				Sunny Island 6.0H	✓			✓		✓		
		Sunny Boy Storage 2.5		✓				✓				Sunny island 8.0H	✓			✓		✓		

		Single phase									
		Type	BYD LV	BYD HV	GW LV	GW HV	LG LV	LG HV	PT LV	PT HV	SE HV
solar edge		StorEdge AC HD-Wave 3680H						✓			✓
		StorEdge AC HD-Wave 5000H						✓			✓

Batteries from



BYD is one of the world's largest battery manufacturers. They develop batteries for a wide range of applications, including grid-connected energy storage systems. With more than 20,000 engineers worldwide, they are constantly innovating.

BYD Battery-Box Premium

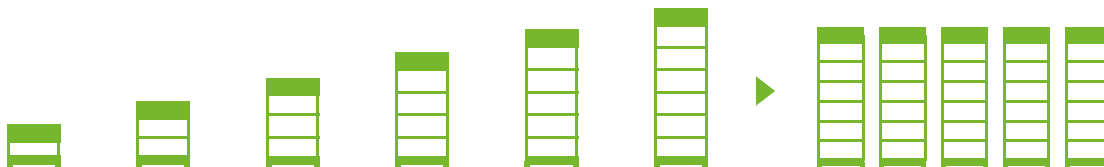
The third-generation solar Battery-Box Premium from BYD has been widely praised. The award-winning battery solution was launched in 2020 and comes in two series: a low-voltage and high-voltage version. The lithium iron phosphate battery is completely free of cobalt and meets the highest safety standards. What's more, the battery has an extremely high discharge rate.

BYD has modular battery systems.

You can determine the capacity yourself by connecting the modules in parallel. Due to the patented plug-and-play design, no additional cabling is required. Each battery is made up of the desired number of modules and the corresponding PDU (communication unit).

Battery capacities:

- BYD Battery-Box Premium LVS is switchable from 4kWh to 256 kWh
- BYD Battery-Box Premium HVS is switchable from 5.1 kWh to 38.4 kWh
- BYD Battery-Box Premium HVM is switchable from 8.3 kWh to 66.2 kWh



Downloads

Batteries from



Enphase is known as the market leader of micro-inverter technology within the solar industry. This true international innovator in energy technology has expanded its range to include a stand-alone battery solution.

IQ Battery

The Enphase batteries are all-in-one AC-coupled storage systems. The batteries are easy to install, safe and very reliable. The modular plug-and-play system can be expanded as required. The lithium iron phosphate composition of the batteries ensures maximum safety and service life.

The solution can be seamlessly linked to Enphase micro-inverters and other solar technologies to help make the most of the energy supply. The Enphase IQ Gateway controls the entire system.

Battery capacities:

- IQ Battery 3* has a total usable energy capacity of 3.36 kWh and includes four embedded grid-forming micro-inverters with 1.28 kW of power.
- IQ Battery 10* consists of three basic IQ Battery 3 storage units, has a total usable energy capacity of 10.08 kWh and twelve embedded grid-forming micro-inverters with 3.84 kW capacity.

Important: Enphase certification is required for installing Enphase batteries

* The IQ Battery is not yet available in the Netherlands



Tip

The batteries of Enphase also work on any roof installation.

Downloads

Batteries from

GOODWE

GoodWe is a leading supplier of inverters and is at the forefront of the development of new reliable solar solutions. GoodWe has expanded its product range with the Lynx Home U series and the Lynx Home F series.

GoodWe Lynx Home serie

The new Lynx Home series of GoodWe has been specially designed for residential applications with the low-voltage and high-voltage battery. The batteries offer superior performance, have the safest battery technology (LFP) and ensure an optimal user experience. Moreover, both batteries are very easy to install due to their plug & play design.

Thanks to automatic module recognition, the Lynx Home U Series can automatically identify parallel modules without requiring any manual configuration. The Lynx Home F series offers storage options connected in series, whereby the modules can be stacked to the correct capacity required.

In addition, it is possible to run a diagnostic and apply an upgrade remotely. When the battery enters the self-protection mode due to undervoltage, it can restart automatically. Additionally, remote diagnosis and upgrade is possible. When the battery enters self-protection mode due to undervoltage, it can automatically restart itself.

Battery capacities:

- The GoodWe Lynx Home U-series is available in 5.4 kWh and parallel scalable to 32.4 kWh (6 x 5.4 kWh)
- The GoodWe Lynx Home F series is available in 3.27 kWh and is scalable in series to 16.4 kWh (5 x 3.27 kWh)

Downloads



Batteries from



LG Energy Solution is a leading international provider of industrial-scale battery solutions. Batteries by LG Energy Solution are mostly used in large utility projects, in automotive and ... solar!

The leading RESU and PRIME batteries from the market leader in energy storage systems LG Energy Solution are flexible in their use in both new and existing systems. The high quality lithium-ion cells are powerful and durable with guaranteed capacity retention of at least 80% after 10 years of use.

LG Energy Solution batteries

LG Energy Solution domestic batteries are available in both low-voltage and high-voltage ranges. The batteries can be used for self-consumption of stored solar energy, but it is also possible to charge the batteries at times when energy is cheaper and discharge them at times of peak prices. It is also possible to use these batteries for emergency supply in case of power outages. These batteries can be placed both indoors and outdoors.

Battery capacities:

- The LG Energy Solution RESU LV series (48V) is available in 2 versions: 9.8 kWh and 13.1 kWh
- The LG Energy Solution PRIME HV series (400V) is available in 2 versions: 10 kWh and 16 kWh



Downloads LG Energy Solution RESU and PRIME

Batteries from



RESU Flex

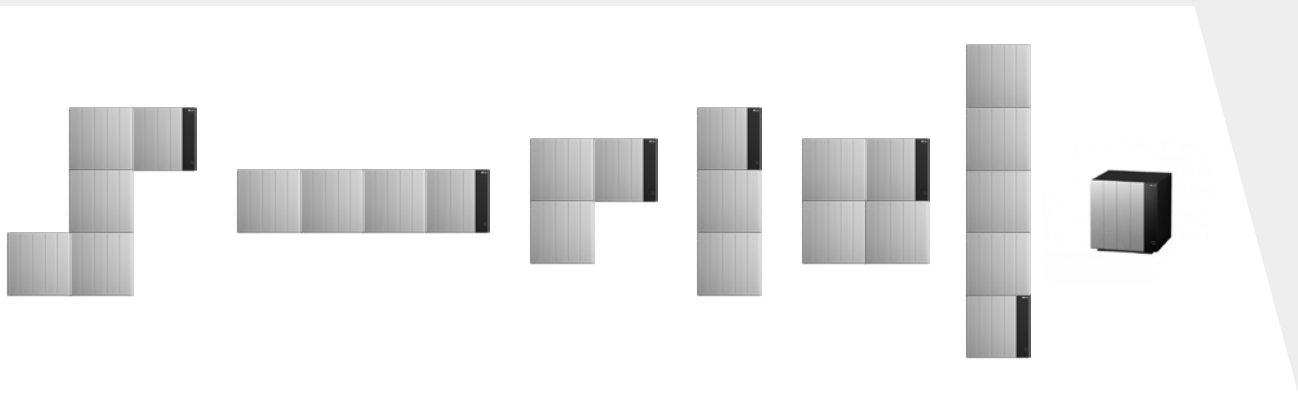
The RESU FLEX is the new highly flexible solution of LG. The battery units can be connected in various ways, enabling you to create the perfect design for each home. The battery has a modern design and a depth of 16 cm.

The system is powered by the battery control unit, to which a maximum of 4 battery units can be connected, allowing you to easily create the required capacity. Each battery unit has a capacity of 4.3 kWh. The system is not only suitable for homes, but also very suitable for small commercial applications.



Battery capacity:

- The RESU FLEX High Voltage is scalable from 8.6 kWh to 17.2 kWh.



Downloads LG Energy Solution RESU Flex

Batterijen van



Pylontech is among the leading global suppliers of lithium batteries and features a unique vertical integration of all technologies required for energy storage systems. Thanks to their proprietary technologies in cells, BMS and system integration, Pylontech is able to fulfil a pioneering role in the energy storage market.

US series & Force series

The residential batteries of Pylontech are available in both a low-voltage and high-voltage series. The long service life, high charging and discharging capacity, and ease of installation and expansion reflect the strong technical capability of Pylontech.

The batteries can be built modularly, so that you can easily create the required capacity. The US series has a compact design with an integrated BMU (battery management unit). 16 batteries of the US series may be connected in series. Due to the plug-and-play design of the Force series, it is easily stacked by the desired number of battery modules and the corresponding BMU.

Battery capacity:

- The US2000C is available in 2.4 kWh and can be connected in series (a maximum of 16)
- The US3000C is available in 3.5 kWh and can be connected in series (a maximum of 16)
- The US5000C is available in 4.8 kWh and can be connected in series (a maximum of 16)
- The Force L2 is scalable from 7.1 kWh to 14.21 kWh
- The Force H1 is scalable from 7.1 kWh to 24.86 kWh
- The Force H2 is scalable from 7.1 kWh to 14.21 kWh

Downloads



Batteries from



SolarEdge is a manufacturer of innovative inverter systems and world market leader in smart energy solutions. The SolarEdge Home concept, smart energy management for the home, is a complete management system that monitors, controls and directs the production, consumption and storage of energy in the home.

SolarEdge Home Battery

The SolarEdge Home Battery Low Voltage is a stackable battery with a flexible design; the modules can be stacked horizontally or vertically.

SolarEdge Home Battery low voltage

The SolarEdge Home Battery Low Voltage is a stackable battery with a flexible design; the modules can be stacked horizontally or vertically. The capacity of each module is 4.6 kWh. The battery can be expanded to a maximum of 5 modules per tower. This DC-connected battery has optimum system efficiency.

Both batteries have a simple plug-and-play installation with automatic configuration on a smartphone using SetApp, making installing a SolarEdge battery even easier.

* A SolarEdge academy certification is required for installing a SolarEdge battery



💡 Tip

For the installation of a SolarEdge Energy Bank and Home battery, SolarEdge has some useful accessories.

Downloads

Battery solutions from

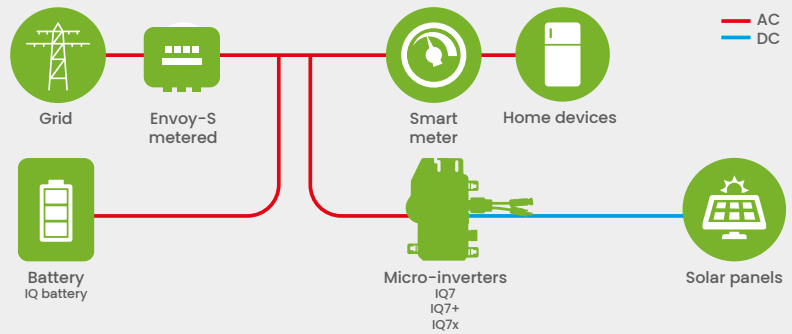


Natec presents Enphase, the market leader in the field of micro-inverter technology within the solar energy branch. Enphase has a standalone unique battery solution.

Unlike traditional string inverters, the micro-inverters are placed on the roof, behind each solar panel. Because they work independently of each other, the energy yield is optimal. The micro-inverter technology works seamlessly with Enphase storage systems to produce a higher yield. The Enphase solar products run on the same low-voltage AC power as the voltage in homes.

The Enphase IQ Gateway Metered is the brains behind the energy solution enabling comprehensive maintenance and management, even remotely. This communication tool has options for production metering and consumption monitoring, making it compatible with the Enphase AC battery.

Retrofit battery solution from Enphase



The benefits of the Enphase solution

- ✓ **The system is always online**
- ✓ **Full AC system**
- ✓ **Module level monitoring by microinverters**
- ✓ **25 year product warranty**

Downloads

Battery solutions from

GOODWE

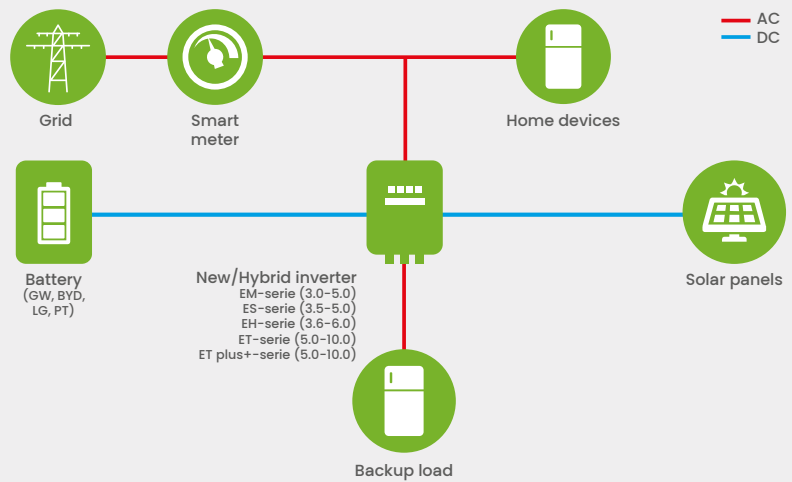


Natec presents the wide range of battery solutions of leading brand GoodWe. The product portfolio includes a broad selection of hybrid solutions (which can be used to increase self-consumption, off-peak charging and back-ups). Additionally, there are several AC-coupled retrofit solutions that convert grid systems to hybrid systems.

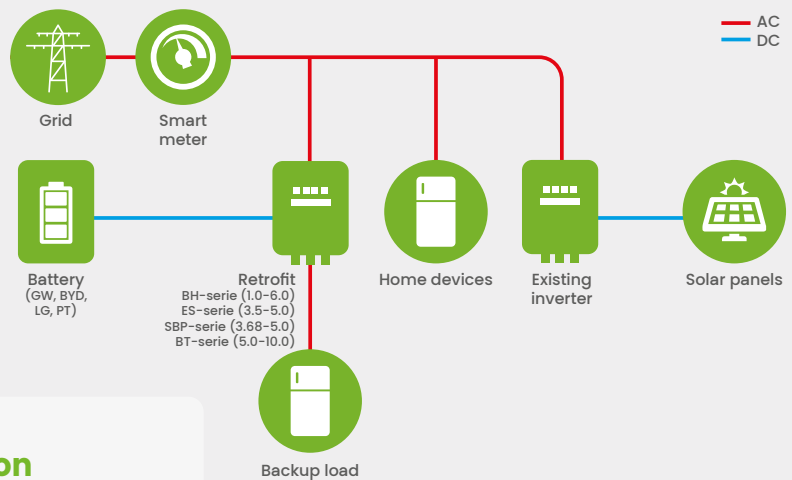
The systems are suitable for domestic and small commercial systems and are available in both single-phase and three-phase versions. Connect your GoodWe inverters to the batteries of BYD, GW, LG or PT batteries which, depending on your system, are delivered with either low or high voltage.

GoodWe, good choice!

New/Hybrid battery solution from GoodWe



Retrofit battery solution from GoodWe



The benefits of the GoodWe solution

- ✓ Very complete portfolio with long service life
- ✓ Integrated electricity-grid and back-up function at UPS speed
- ✓ Easy remote Wi-Fi configuration
- ✓ Off-grid options

Downloads

Battery solutions from



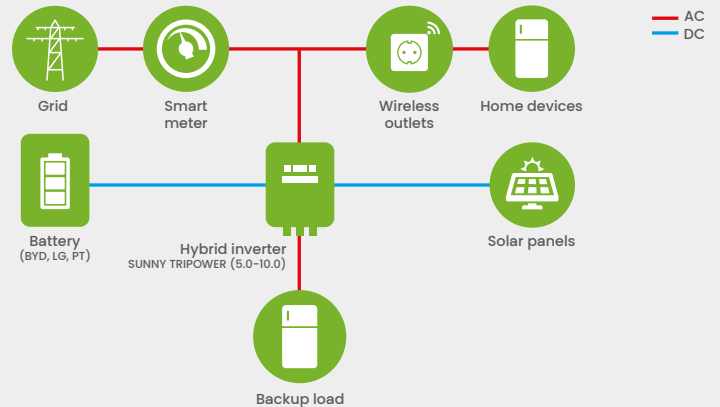
Natec presents the SMA Energy System Home battery system, which makes it possible to consume a greater proportion of your solar power yourself. This system is suitable for domestic use and is available for single-phase inverters.

The SMA Sunny Boy Storage Battery Inverter ensures that your solar power is stored in batteries and is available again whenever you need it. Thanks to the multi-string technology, up to three different high-voltage batteries can be connected – so you can expand your system as desired.

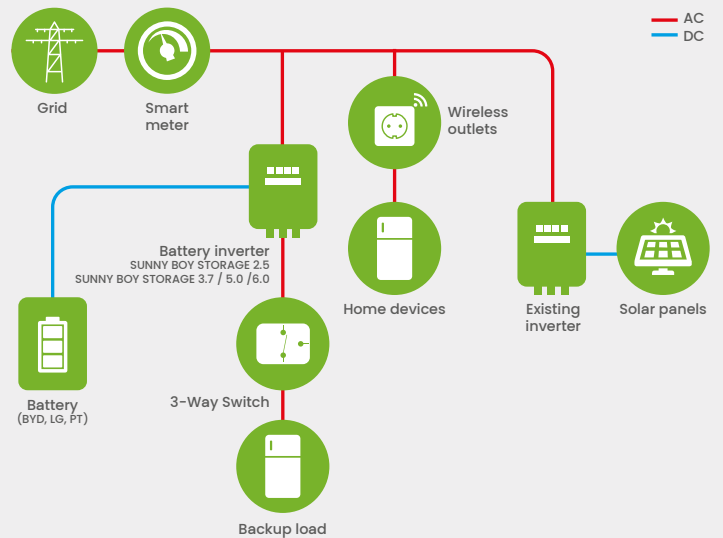
The Sunny Tripower Smart Energy hybrid inverter is the ideal 2-in-1 solution for supplying solar energy to a home. SMA combines smart technologies and integrated functionalities in a space-saving, compact solution – thanks to over 30 years of experience in energy storage. The energy system can be expanded at any time, including the integration of electric mobility or heat pumps. The integrated backup-power function secures the power supply even if the public grid fails.

The SMA Sunny Home Manager works together with the battery inverter to cleverly control devices that are connected to a wireless socket.

New/Hybrid battery solution from SMA



Retrofit battery solution from SMA



The benefits of the SMA solution

- ✓ Smart control of all devices by working together with SMA Sunny Home Manager
- ✓ Retro solution can be added to existing PV systems
- ✓ Easy commissioning thanks to integrated user interface
- ✓ Suitable for outdoor mounting

Downloads

Battery solutions from



Natec presents the SolarEdge battery solutions with unique monitoring solutions to fully control self-consumption. The product portfolio consists of single- and three-phase hybrid inverters, Storage Interface, Home Hub and additional Smart Energy products.

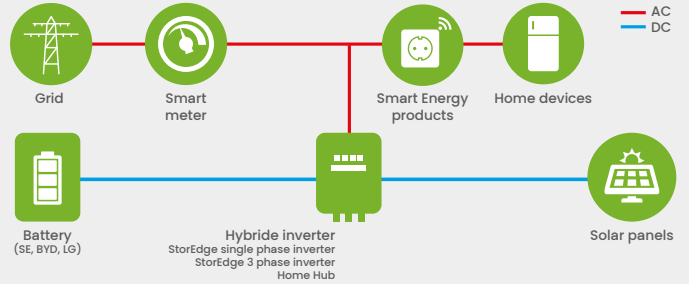
The StorEdge and Home Hub DC-connected solution combines SolarEdge's pioneering inverter technology with modern battery storage systems. Powered by a single inverter, it offers higher energy production, advanced safety and panel-level monitoring.

In addition, the StorEdge AC-connected 1-phase inverter is designed to upgrade existing installations of SolarEdge 3-phase inverters or external inverters to the StorEdge grid solution. The SolarEdge AC-coupled inverter only manages battery charging and does not work with power optimisers or as a standard solar inverter.

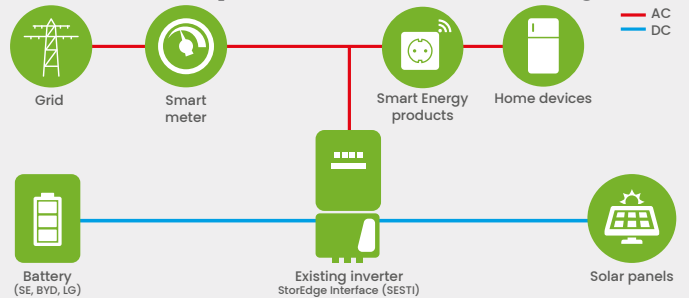
The benefits of the SolarEdge solution

- ✓ Wide range of solutions with a high degree of system efficiency
- ✓ Wide selection for increasing self-consumption
- ✓ Follow the battery status, production of solar energy and self-consumption on the SolarEdge monitoring platform
- ✓ Advanced safety

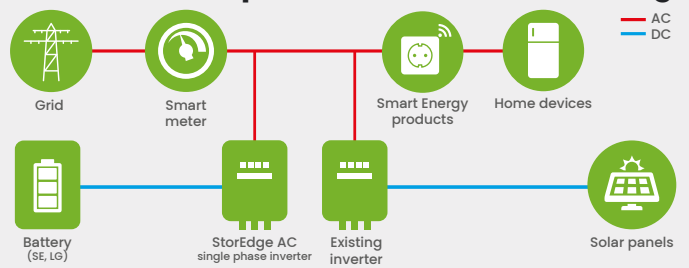
New/Hybrid battery solution from SolarEdge



Retrofit battery solution from SolarEdge



Retrofit AC-coupled solution from SolarEdge



Tip

SolarEdge Home, the complete management system for smart energy at home.

Downloads

